|          | 1       | E to r couron i  | ,   | ı                   | ı       |                  |
|----------|---------|--|---|---------------------|---------|------------------|
| Ref<br># | Hits    | Search Query   | DBs   | Default<br>Operator | Plurals | Time Stamp       |
| S1       | 6       | ((YOSHIFUMI) near2 (SEKIGUCHI)).INV.   | US-PGPUB;<br>USPAT  | OR                  | ON      | 2007/12/19 17:50 |
| S2       | 3       | ((SHOUICHI) near2 (HIROTA)).INV.   | US-PGPUB;<br>USPAT  | OR                  | ON      | 2007/12/19 17:50 |
| S3       | 100     | ((SHINICHI) near2 (KOMURA)).INV.   | US-PGPUB;<br>USPAT  | OR                  | ON      | 2007/12/19 17:50 |
| S4       | 100     | ((SHINICHI) near2 (KOMURA)).INV.   | US-PGPUB;<br>USPAT  | OR                  | ON      | 2007/12/19 17:50 |
| S5       | 9       | ((SUSUMU) near2 (EDO)).INV.  | US-PGPUB;<br>USPAT  | OR                  | ON      | 2007/12/19 17:51 |
| S6       | 2891    | 345/87.ccls.   | US-PGPUB;<br>USPAT  | OR                  | ON      | 2007/12/27 09:59 |
| S7       | 101     | (("5617227") or ("5004860") or ("6048758") or ("4364672") or ("4447812") or ("4470668") or ("4591886") or ("4796980") or ("4807976") or ("4857889") or ("4906984") or ("4908613") or ("5006840") or ("5193018") or ("5200741") or ("5243202") or ("5311205") or ("5311206") or ("5376944") or ("5412396") or ("5539326") or ("5548423") or ("5617229") or ("5751381") or ("5777593") or ("5805130") or ("5822026") or ("5888293") or ("5841416") or ("5966189") or ("5995075") or ("6052103") or ("6057008") or ("6061044") or ("6091376") or ("6128052") or ("4279474") or ("4472067") or ("4549819") or ("4588305")).PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2007/12/19 17:54 |
| S8       | 60065   | active near1 matrix  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/12/19 17:55 |
| \$9      | 2321    | date near1 line  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/12/19 17:55 |
| S10      | 2524312 | substrate  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/12/19 17:55 |

| S11 | 47333   | gate near1 line                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/12/19 17:56 |
|-----|---------|---------------------------------------|---|----|-----|------------------|
| S12 | 825102  | capacitor                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/12/19 17:56 |
| S13 | 2       | ("6040814").PN.                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/12/20 10:37 |
| S14 | 2825801 | frame                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/12/19 17:59 |
| S15 | 17      | (postive and negative) near1 polarity | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/12/19 18:00 |
| S16 | 3886    | vcom                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/12/19 18:00 |
| S17 | 20506   | frame near1 period                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/12/19 18:00 |
| S18 | 5       | vsigm                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/12/19 18:00 |

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| S19 | 4863    | hold near1 period                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/19 18:00 |
| S20 | 36040   | flicker                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/19 18:00 |
| S21 | 529504  | Icd or liquid near1 crystal near1 display | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/19 18:01 |
| S22 | 5751873 | electric same1 potential                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/19 18:02 |
| S23 | 73340   | area near5 pixel                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/19 18:02 |
| S24 | 2453345 | capacit\$5                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/19 18:02 |
| S25 | 4863    | hold near1 period                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/19 18:12 |
| S26 | 2       | 10/729391                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/19 18:37 |

| S27  | 14049  | timing near1 controller | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/19 18:58 |
|------|--------|-------------------------|---|----|----|------------------|
| S28  | 9472   | source near1 driver     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/19 18:58 |
| S29  | 6220   | graphic near1 memory    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/19 18:58 |
| \$30 | 153325 | odd and even            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/19 18:59 |
| S31  | 159    | flicker near1 intensity | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/19 18:59 |
| S32  | 463216 | period and frame        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/19 18:59 |
| S33  | 43     | S32 and S31             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/19 19:00 |
| S34  | 157479 | output near1 amplifier  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/19 19:00 |

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| S35  | 6  | postive and negative and frame and period and flicker   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/12/20 10:37 |
| S36  | 20 | ("4571585"   "4779085"   "4803480"  <br>"5432527"   "5561441"   "5657041"  <br>"5659375"   "5712652"   "5724057"  <br>"5892494").PN. OR ("6040814").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2007/12/20 14:50 |
| \$37 | 2  | ("7092049").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/12/20 14:52 |
| S38  | 2  | ("5327001").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/12/20 14:52 |
| S39  | 2  | ("20040095295").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/12/21 09:58 |
| S40  | 2  | ("20030122739").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/12/21 14:57 |
| S41  | 2  | ("6097964").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/12/21 14:57 |
| S42  | 88 | ("3891143"   "4724715"   "4739128"  <br>"5266949"   "5408060"   "5436954"  <br>"5825353"   "5841849").PN. OR<br>("6097964").URPN.                         | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2007/12/21 14:57 |
| S43  | 10 | ("20030045245"   "5974334"   "6097964"  <br>"6141540"   "6415138"   "6502090"  <br>"6788293"   "6813146"   "6912399").PN.<br>OR ("7120473").URPN.         | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2007/12/21 15:01 |
| S44  | 1  | 11/062719   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2007/12/21 15:11 |

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| S45 | 1      | "20030020809"   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2007/12/21 15:34 |
| S46 | 2      | ("6650704").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/12/21 15:35 |
| S47 | 2      | ("4594898").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/12/27 10:00 |
| S48 | 4      | 345/94.ccls. and vibrate  | US-PGPUB;<br>USPAT  | OR | ON  | 2008/01/16 14:51 |
| S49 | 11     | ((YOSHIFUMI) near2 (SEKIGUCHI)).INV.  | US-PGPUB;<br>USPAT  | OR | ON  | 2008/09/02 08:57 |
| S50 | 3      | ((SHOUICHI) near2 (HIROTA)).INV.  | US-PGPUB;<br>USPAT  | OR | ON  | 2008/09/02 08:57 |
| S51 | 105    | ((SHINICHI) near2 (KOMURA)).INV.  | US-PGPUB;<br>USPAT  | OR | ON  | 2008/09/02 08:57 |
| S52 | 10     | ((SUSUMU) near2 (EDO)).INV.   | US-PGPUB;<br>USPAT  | OR | ON  | 2008/09/02 08:57 |
| S53 | 3296   | 345/87.ccls.  | US-PGPUB;<br>USPAT  | OR | ON  | 2008/09/02 08:57 |
| S54 | 169062 | ((first and second) or pair) near3 substrate  | US-PGPUB;<br>USPAT  | OR | ON  | 2008/09/02 08:59 |
| S55 | 206413 | ((first and second) or pair) near3 substrate and (liquid near3 crystal) or lcd  | US-PGPUB;<br>USPAT  | OR | ON  | 2008/09/02 08:59 |
| S56 | 2120   | (frame or field) same (hold near2 (time or period))   | US-PGPUB;<br>USPAT  | OR | ON  | 2008/09/02 09:00 |
| S57 | 218    | (frame or field) same (hold near2 (time or period)) and positive and polar\$4   | US-PGPUB;<br>USPAT  | OR | ON  | 2008/09/02 09:01 |
| S58 | 142    | (frame or field) same (hold near2 (time or period)) and positive and polar\$4 and (alternat or switch)  | US-PGPUB;<br>USPAT  | OR | ON  | 2008/09/02 09:02 |
| S59 | 65     | (frame or field) same (hold near2 (time or period)) and positive and polar\$4 and (alternat or switch) and ((liquid near2 crystal) or lcd)                      | US-PGPUB;<br>USPAT  | OR | ON  | 2008/09/02 09:02 |
| S60 | 3      | (frame or field) same (hold near2 (time or<br>period)) and positive and polar\$4 and<br>(alternat or switch) and ((liquid near2<br>crystal) or lcd) and hitachi | US-PGPUB;<br>USPAT  | OR | ON  | 2008/09/02 09:04 |

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| S61 | 41    | (frame or field) same (hold near2 (time or period)) and positive and polar\$4 and (alternat or switch) and ((liquid near2 crystal) or lcd).clm.  | US-PGPUB;<br>USPAT           | OR | ON | 2008/09/02 09:05 |
| S62 | 363   | (frame or field) same (hold near2 (time or period)) and ((liquid near2 crystal) or LCD)  | US-PGPUB;<br>USPAT           | OR | ON | 2008/09/02 09:05 |
| S63 | 145   | (frame or field) same (hold near2 (time or period)) and ((liquid near2 crystal) or LCD). clm.  | US-PGPUB;<br>USPAT           | OR | ON | 2008/09/02 09:05 |
| S64 | 81    | (frame or field) same (hold near2 (time or period)) and ((liquid near2 crystal) or LCD) and (gate or scan\$4) and (row or column). clm.  | US-PGPUB;<br>USPAT           | OR | ON | 2008/09/02 09:06 |
| S65 | 777   | (active near2 matrix) and substrate and data and gate and capacitor and (frame or field) and polar\$4 .clm.  | US-PGPUB;<br>USPAT           | OR | ON | 2008/09/02 09:07 |
| S66 | 492   | (active near2 matrix) and substrate and data and gate and capacitor and (frame or field) and (polar\$4 same positive or negative) .clm.  | US-PGPUB;<br>USPAT           | OR | ON | 2008/09/02 09:08 |
| S67 | 13651 | 345/87-111.ccls.   | US-PGPUB;<br>USPAT           | OR | ON | 2008/09/02 09:11 |
| S68 | 385   | S67 and S65  | US-PGPUB;<br>USPAT           | OR | ON | 2008/09/02 09:11 |
| S69 | 101   | S67 and S63  | US-PGPUB;<br>USPAT           | OR | ON | 2008/09/02 09:12 |
| S70 | 2     | 10/729391  | US-PGPUB;<br>USPAT           | OR | ON | 2008/09/02 09:12 |
| S71 | 13    | "6040814"  | US-PGPUB;<br>USPAT           | OR | ON | 2008/09/02 09:38 |
| S72 | 22    | ("4571585"   "4779085"   "4803480"  <br>"5432527"   "5561441"   "5657041"  <br>"5659375"   "5712652"   "5724057"  <br>"5892494").PN. OR ("6040814").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/09/02 09:38 |
| S73 | 13    | ("20010043184"   "5296847"   "5396352"  <br>"5751381"   "5844535"   "5883685"  <br>"5940059"   "6040814"   "6115018"  <br>"6256076"   "6278502"   "6384807"  <br>"6671009").PN. OR ("7034790").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/09/02 10:01 |

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|-----|------|--|------------------------------|----|----|------------------|
| S74 | 30   | ("20020024481"   "20020149598"   "20030058211"   "20030080926"   "20030085906"   "20040090402"   "20050024353"   "20050093850"   "5298915"   "5489918"   "5805117"   "5852429"   "5894300"   "6008786"   "6040812"   "6040814"   "6407480"   "6414664"   "6417825"   "6462835"   "6504524"   "6515641"   "6531997"   "6603450"   "6611249"   "6683595"   "6714665"   "6753854"   "7057597").PN. OR ("7205970").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/09/02 10:01 |
| S75 | 3    | ("5173687"   "6040814").PN. OR<br>("6317109").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/09/02 10:01 |
| S76 | 4    | postive and negative and polar\$4 and hold. clm.   | US-PGPUB;<br>USPAT           | OR | ON | 2008/09/18 14:55 |
| S77 | 18   | postive and negative and polar\$4 and hold and period.clm.   | US-PGPUB;<br>USPAT           | OR | ON | 2008/09/18 14:59 |
| S78 | 3    | postive and negative and frame and hold. clm.  | US-PGPUB;<br>USPAT           | OR | ON | 2008/09/18 15:01 |
| S79 | 0    | postive and negative and frame and hold and (liquid near1 crystal or lcd).clm.   | US-PGPUB;<br>USPAT           | OR | ON | 2008/09/18 15:01 |
| S80 | 0    | postive and negative and frame and hold and ((liquid near1 crystal) or lcd).clm.   | US-PGPUB;<br>USPAT           | OR | ON | 2008/09/18 15:18 |
| S81 | 1210 | hold same period and (decrease and increase) and positive and negative.clm.  | US-PGPUB;<br>USPAT           | OR | ON | 2008/09/18 15:19 |